AMENDMENT IN THE ABSTRACT

A communication system ~~is provided~~ in which normal communications can be ensured even upon a loss of synchronization on a part of transmission paths configuring a network. ————The system is to perform data communications within a network configured by a plurality of devices. A synchronization detecting section ~~12~~ detects a loss of synchronization for data transmission between devices ~~1 and 2~~ connected to each other via the network. Upon detection by the synchronization detecting section ~~12~~ of the loss of synchronization, a control information retaining section ~~11~~ and a switching section ~~15~~ included in the first device ~~1~~ cause a connection with the second device ~~2~~ to be cut off, and then again cause a connection with the second device ~~2~~. Upon connection caused by the switching section ~~15~~ between the devices ~~1 and 2~~, a connection processing section 16 performs a connecting process for enabling data communications between these devices ~~1 and 2~~.